

8/14 #14



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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/027,725A

DATE: 08/14/2002

TIME: 14:36:08

Input Set : A:\25401-4.txt

Output Set: N:\CRF4\08142002\J027725A.raw

3 <110> APPLICANT: Flicker, Sabine
 5 <120> TITLE OF INVENTION: Group 2 Allergen Specific IgE-fabs and Use Thereof
 7 <130> FILE REFERENCE: 25401-4
 9 <140> CURRENT APPLICATION NUMBER: 10/027,725A
 C--> 10 <141> CURRENT FILING DATE: 2002-08-09
 12 <150> PRIOR APPLICATION NUMBER: US 60/259,436
 13 <151> PRIOR FILING DATE: 2000-12-29
 15 <160> NUMBER OF SEQ ID NOS: 12
 17 <170> SOFTWARE: PatentIn version 3.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 342
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Homo sapiens
 24 <400> SEQUENCE: 1
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 27 tctggcggtt ccatccgcag tgggtggttac tactggagtt ggatccgcca acaccaggg 120
 29 aagggccttg agtggattgg gtacatctat cacagtggga acacctacaa caaccgtcc 180
 31 ctcaagagtc gaattgccat gtcggtagac acgtctgaga acaagttctc cctgaggctg 240
 33 aactctgtga ctgccgcgga cacggccgtg tattactgtg cgagggtaga tggctacact 300
 35 ttggacatct ggggccaggg aaccctggtc accgtctcct ca 342
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 342
 40 <212> TYPE: DNA
 41 <213> ORGANISM: Homo sapiens
 43 <400> SEQUENCE: 2
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 46 tctgggtggc ccatccgcag tgggtggttat tattggagtt ggggtccgcca gcctccaggg 120
 48 aagggccttg agtggatcgg caacatctat cacagtggca acacctacaa caaccgtcc 180
 50 ctcaagagtc gaattacat gtcagtagac acgtctaaga accacttctc cctgagactg 240
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 58 <211> LENGTH: 342
 59 <212> TYPE: DNA
 60 <213> ORGANISM: Homo sapiens
 62 <400> SEQUENCE: 3
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 65 tctgggtggc ccatccgcag tgggtggttat tactggagtt ggatccgcca gcgtccaggg 120
 67 aagggccttg agtggatcgg gtacatctat cacagtggca acacctacaa caaccgtcc 180
 69 ctcaagagtc gagttacat gtcagtagac acgtctaaga accacttctc cctgaggctg 240
 71 agctctgtga ctgccgcgga cacggccgtg tattactgtg cgagggtcaga tgggtacact 300
 73 ttggacaact ggggccaggg aaccctggtc accgtctcct ca 342
 76 <210> SEQ ID NO: 4

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84 tgccgggcaa gtcagagaat taacacctat tttaaattggt atcagcataa accagggaaa      120
86 gccctaagc tcctgatcta tgctgcatcc agtttgcaaa gtgggggtccc atcaagggttc      180
88 agtggcagtg gatattgggac agacttcact ctcacatca gcaatctgca gcctgaagat      240
90 ttgcaagtt actactgtca agagagtctc agtgcctcgt acacttttgg ccaggggacc      300
92 aaggtggaga tcaaacga                                     318
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96 <211> LENGTH: 318
97 <212> TYPE: DNA
98 <213> ORGANISM: Homo sapiens
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103 tgccggggcac gtcagagtat tagcacctat tttaaattggt atcagcagaa accggggaaag      120
105 gccctaagc tcctgatctg tagtgcatcc aatttgcaaa gtgggggtccc atccagggttc      180
107 agtggcagtg gatctgggac agagttcact ctcacatca gcaatctgca acctgaagac      240
109 ttgcaagtt actactgtca acagagttac actaccttat ataccttcgg ccctgggacc      300
111 aaactggaga tcaaacga                                     318
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124 gccctaatac tcctgatcta ttctgcatcc agtttgcaaa gtgggggtccc gtcaagggttc      180
126 agcggcagtg gatctgggac agatttcagt ctcacatca gcagcctgca gcctgaagat      240
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130 aaggtggaaa tcaaacga                                     318
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134 <211> LENGTH: 114
135 <212> TYPE: PRT
136 <213> ORGANISM: Homo sapiens
138 <400> SEQUENCE: 7
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141 1      5      10      15
144 Ser Cys Ala Val Ser Gly Gly Ser Ile Arg Ser Gly Gly Tyr Tyr Trp
145      20      25      30
148 Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu Trp Ile Gly Tyr
149      35      40      45
152 Ile Tyr His Ser Gly Asn Thr Tyr Tyr Asn Pro Ser Leu Lys Ser Arg
153      50      55      60
156 Ile Ala Met Ser Val Asp Thr Ser Glu Asn Lys Phe Ser Leu Arg Leu
157 65      70      75      80
160 Asn Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg Leu
161      85      90      95

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164 Asp Gly Tyr Thr Leu Asp Ile Trp Gly Gln Gly Thr Leu Val Thr Val
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174 <212> TYPE: PRT
175 <213> ORGANISM: Homo sapiens
177 <400> SEQUENCE: 8
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180 1           5           10           15
183 Thr Cys Thr Val Ser Gly Gly Ser Ile Arg Ser Gly Gly Tyr Tyr Trp
184           20           25           30
187 Ser Trp Val Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile Gly Asn
188           35           40           45
191 Ile Tyr His Ser Gly Asn Thr Tyr Tyr Asn Pro Ser Leu Lys Ser Arg
192           50           55           60
195 Ile Thr Met Ser Val Asp Thr Ser Lys Asn His Phe Ser Leu Arg Leu
196 65           70           75           80
199 Thr Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg Ser
200           85           90           95
203 Asp Gly Tyr Thr Leu Asp Asn Trp Gly Gln Gly Thr Leu Val Thr Val
204           100           105           110
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212 <211> LENGTH: 114
213 <212> TYPE: PRT
214 <213> ORGANISM: Homo sapiens
216 <400> SEQUENCE: 9
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219 1           5           10           15
222 Thr Cys Thr Val Ser Gly Gly Ser Ile Arg Ser Gly Gly Tyr Tyr Trp
223           20           25           30
226 Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile Gly Tyr
227           35           40           45
230 Ile Tyr His Ser Gly Asn Thr Tyr Tyr Asn Pro Ser Leu Lys Ser Arg
231           50           55           60
234 Val Thr Met Ser Val Asp Thr Ser Lys Asn His Phe Ser Leu Arg Leu
235 65           70           75           80
238 Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala Arg Ser
239           85           90           95
242 Asp Gly Tyr Thr Leu Asp Asn Trp Gly Gln Gly Thr Leu Val Thr Val
243           100           105           110
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251 <211> LENGTH: 106
252 <212> TYPE: PRT
253 <213> ORGANISM: Homo sapiens
255 <400> SEQUENCE: 10
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258 1          5          10          15
261 Val Thr Ile Ser Cys Arg Ala Ser Gln Arg Ile Asn Thr Tyr Leu Asn
262          20          25          30
265 Trp Tyr Gln His Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Ala
266          35          40          45
269 Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
270          50          55          60
273 Tyr Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Phe Glu Asp
274 65          70          75          80
277 Phe Ala Ser Tyr Tyr Cys Gln Glu Ser Leu Ser Ala Ser Tyr Thr Phe
278          85          90          95
281 Gly Gln Gly Thr Lys Val Glu Ile Lys Arg
282          100          105
285 <210> SEQ ID NO: 11
286 <211> LENGTH: 106
287 <212> TYPE: PRT
288 <213> ORGANISM: Homo sapiens
290 <400> SEQUENCE: 11
292 Glu Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg
293 1          5          10          15
296 Val Thr Ile Thr Cys Arg Ala Arg Gln Ser Ile Ser Thr Tyr Leu Asn
297          20          25          30
300 Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Trp Ser
301          35          40          45
304 Ala Ser Asn Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
305          50          55          60
308 Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Asn Leu Gln Phe Glu Asp
309 65          70          75          80
312 Phe Ala Ser Tyr Tyr Cys Gln Gln Ser Tyr Thr Thr Leu Tyr Thr Phe
313          85          90          95
316 Gly Ser Gly Thr Lys Leu Glu Ile Lys Arg
317          100          105
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321 <211> LENGTH: 106
322 <212> TYPE: PRT
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325 <400> SEQUENCE: 12
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328 1          5          10          15
331 Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Trp Leu Ala
332          20          25          30
335 Trp Tyr Gln His Gln Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Ser
336          35          40          45
339 Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly
340          50          55          60
343 Tyr Gly Thr Asp Phe Ser Leu Thr Ile Ser Ser Leu Gln Phe Glu Asp
344 65          70          75          80
347 Ser Ala Thr Tyr Tyr Cys Gln Gln Ala Asn Ser Phe Pro Tyr Thr Phe
348          85          90          95

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351	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys	Arg
352				100					105	

VERIFICATION SUMMARY

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date